

CHAPTER 52-03-05 TEST CONDITIONS

Section	
52-03-05-01	Ambient Temperature
52-03-05-02	Low Temperature
52-03-05-03	Water Immersion
52-03-05-04	High Temperature
52-03-05-05	Time of Testing

52-03-05-01. Ambient temperature. Ambient temperature tests will be conducted on the first helmet in a room in which the ambient temperature is from seventy to eighty degrees Fahrenheit [21.11 to 26.67 degrees Celsius]. The helmet shall be maintained in the ambient temperature for a period of not less than four hours.

General Authority: NDCC 39-02-03
Law Implemented: NDCC 39-10.1-06

52-03-05-02. Low temperature. The second helmet shall be tested under low temperature conditions after being cooled in a mechanically cooled apparatus to a temperature of from minus eight to minus twelve degrees Celsius for a period of between four and twenty-four hours.

General Authority: NDCC 39-02-03
Law Implemented: NDCC 39-10.2-06

52-03-05-03. Water immersion. The third helmet shall be tested after immersion in water at a temperature of from twenty to thirty degrees Celsius for a period of between four and twenty-four hours.

General Authority: NDCC 39-02-03
Law Implemented: NDCC 39-10.2-06

52-03-05-04. High temperature. The fourth helmet shall be tested after being heated in a suitable oven at a temperature of from forty-eight to fifty-two degrees Celsius for a period between four and twenty-four hours.

General Authority: NDCC 39-02-03
Law Implemented: NDCC 39-10.2-06

52-03-05-05. Time of testing. Testing shall begin within five minutes after removal from the environments specified in the preceding sections and shall be completed before the temperature or moisture content has changed appreciably from the specified conditions.

General Authority: NDCC 39-02-03
Law Implemented: NDCC 39-10.2-06